

10-1892

## The Aurora 21.8

Iowa State Agricultural College

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*Jannie Th*



Volume XXI.

OCTOBER NUMBER, 1892.

Number 8.



Published Monthly by the Literary Societies of the I. A. C.



THE AURORA.



H. S. HOOT

L. B. READ.



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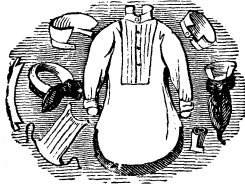
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# Martin

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# THE AURORA.

Volume XXI.

October Number.

Number 8.

## **Editorial Department.**

### ***THE COLLEGE STUDENT IN POLITICS.***

At the present time political topics are the ones that excite the most interest all over our country and every man, no matter what his station or business, feels an interest in the great political conflict which is now going on. To this conflict, each class, the student as well as others, has its peculiar relations. The college students in the country who are entitled to vote are numbered by the thousands and many of them will, for the first time, exercise their rights as citizens at the coming election. On account of peculiarities in regard to residence, many of them not intending to remain permanently at the college town where they usually are at election time, their right to vote has been often questioned. But whatever the letter of the law may be, the spirit of it certainly is that each qualified citizen shall be allowed to cast one ballot for the men and principles of his choice, and this class composed as it is of enthusiastic, energetic, intelligent young men is certainly well qualified to take part in the politics of our country. Of course where the law plainly and definitely decides against college men, they must submit; but every effort should be made to relieve them from such burdensome and unjust restrictions. To reply that they may go home and vote is useless for the spirit of the law does not intend that a man should leave the place where he stays most of the year and then be compelled to ex-

pend several dollars and lose two or three days time in order to exercise his right.

The collegian needs nothing to excite him to political activity. His surroundings tend to make him as conservative as a young man can be, but moderation is contrary to the nature of an energetic youth. He will rather attempt to make facts bow themselves before his theories, to denounce all whose notions do not agree with his own and to feel that the salvation of the country depends on his favorite measures being adopted. But the country needs the energy of youth as well as the experience of age and the most intelligent of our young men should not be excluded. This class contains those who in the future will make our best and most capable statesmen and the sooner their practical political experience begins, the sooner will they be able to do good work for their country and their fellows.

\* \*

### ***ASIATIC CHOLERA.***

The prevalence of Asiatic cholera in Europe in an epidemic form, and the introduction of the plague into the United States and the occurrence of a few cases in New York, has directed to it a more lively interest than any other question before the American people in the last month or two, and some observations on the nature and mode of treatment of the disease might not be out of place at this time.



Previous to 1870 the notion was entertained that the disease was caused by ordinary moulds and parasites of the rice plant; this view has given place to the investigation of Koch going to show that the bacteria of cholera or spirillum as it is generally called originates in certain parts of India, and attacks both the mucus and the mucus membrane of the intestines in the person affected. It is thought that this spirillum produces a very powerful poison, being absorbed produces the severe general symptoms of cholera, such as vomiting and purging, severe cramps, extreme coldness of limbs, intense thirst, the skin shrunk and livid.

The death of the spirillum resulted without fail in fluid heated to  $50^{\circ}$ – $55^{\circ}$  c. but were not killed when the temperature was reduced to freezing or below, even when the temperature was maintained for some hours.

The use of sulphuric acid has been highly recommended in treating the disease. It has been found that out of 32000 artisans working in copper, brass and bronze in Paris and other cities, during the outbreak of cholera in 1873, only 16 deaths resulted from the disease, and the city of Rio Tinto surrounded by copper mines has never been visited by cholera; the immunity in these cases due no doubt to the sulphurous gases in the air. If this view is correct a house or locality may be rendered safe by fumigating with sulphurous acid, simply by burning sulphur and disinfecting objectionable places by means of sulphate of iron.

In treatment with sulphuric acid it is administered in the proportions of about twenty drops of the dilute acid to four ounces of water. The acid acts as a tonic an astringent, and a diuretic. The vital energies are often reduced, digestion poor, intestines and system at large in a relaxed condition due to the high temperature of the summer, here we find conditions favorable to cholera attacks. The tonic and astringent effects of the sulphuric acid would be eminently indicated by these conditions, and its use might tide the patient over the period of danger. Care should be exercised in the use of the

acid, for where administered for a long time continuously or in two large doses, it may give rise to intestinal irritation.

The cholera literature from 1814 down to the present time abounds in proofs of the value of sulphuric acid in treating the disease; during the epidemic of 1873 of patients treated with sulphuric acid, only eight per cent of the cases resulted fatally, while the death rate of those treated with other remedies ranged from twenty-three per cent to fifty-nine per cent in the highest. It has been clearly proven by the history of the cholera that epidemics of this dreaded disease can be controlled by vigorous hygienic measures. The true remedy against cholera is preventive medicine.

The diseases finds its way into the system by means of the air; drinks and food, and is rendered epidemic by favorable seasons, accumulating uncleanness, scanty and unwholesome food, and is always worse in unhealthy localities and among ignorant and depraved classes.

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### Scientific Department.

#### *Some of The Botanical Works in the Library.*

The Science editor having asked me to furnish something for this department of the AURORA, I have thought it may interest the readers to know something about the botanical literature accessible to students in botany in the library and departments of the Iowa Agricultural College. In a broad sense the botanical works may be divided into two divisions, 1st the working library for students, 2nd the library for the investigator, and I believe the student may become such if he applies himself. It is not necessary in this connection to dwell at any great length on the books belonging to the first division. Such works as Bessey's Botany; Bastin, College Botany; Arthur, Barnes and Coulter Plant Dissection; Behren's Guide to the Microscope; Goodale's, Physiological Botany; Sach Physiology; DeBary, Compar-

tive Morphology of the Fungi Mycetozoa and Bacteria; Bennett and Murray, Cryptogamic Botany; Gray's Botanical Text Books, DeBary, On Bacteria; Crookshank Manual of Bacteriology; Senn, Surgical Bacteriology; Pasteur, Studies on Fermentation; Fluegge Mikrorganism; Wolle, Fresh Water Algae, and a large number of additional works of a similar nature. It will be noticed that these works are chiefly in English and this is as it should be, as most students who take up the study of botany in the freshman and sophomore year will not find time, or they are unfamiliar with German and French to profitably consult works of the highest excellence written in German, French, Italian or Norse.

Our second division ought naturally to contain works intended for the investigator, and I am glad to say that the botanical works offered to the investigator are all carefully selected. They are recognized as standard everywhere. It is but just to state that Prof. C. E. Bessey and Dr. B. D. Halsted selected wisely and judiciously. The library has a complete file of *Just Botanischer Jahresbericht* which began in 1873. To an investigator this work is of great service. With the activity in botanical research it is impossible to have access to all botanical works. Even in Harvard University, especially the Gray Herbarium, where great attention is paid to collecting botanical works, or in the Missouri Botanical Garden where nearly as much money is spent for botanical works as the entire library appropriation of the college, it is impossible to obtain all of the current literature. To the botanical worker *Just's Yearbook of Botany* is therefore valuable, unfortunately it is always several years late. The report for 1889 is just coming out. Readers will get an idea of the scope and value of this work, in looking over the table of contents for 1888. The following subjects are treated: Physiocal botany, 98pp; Algae 106-166pp; Bacteria 171-260 pp; Fungi 261-337; Lichens 342-367 pp, Mosses, 368-395pp; Special Morphology of Flowering Plants 396-411pp; Fertilization

and Pollination, 513-520pp; Variations and Teratology, 577-585pp; Morphology and Physiology of Cells, 612-696pp; Morphology of Tissue System, 698-708pp;

The second part of the volume consisting of 627pp is devoted to geographical distribution of plants, palaeobotany, injuries to plants by animals, diseases of plants, pharmaceutical and technical botany. The number of botanical papers abstracted number perhaps several thousand. There are alone references to 360 papers on fungi. The subject of bacteria in all its phases has become so important that a very large number of papers are published, and we find in this volume 547 papers touching every branch of the subject. The abstracts are of course not always lengthy but it enables one to get the original papers if they are of sufficient importance. In addition to this year book the library also has a set of a paper devoted entirely to giving abstracts and original papers on bacteriology and fungi, mostly however the former. It is the *Centralblatt für Bakteriologie und Parasitenkunde*, certainly every one who works with bacteria should have this periodical. *Baumgarten's* year book is devoted exclusively to diseases of animals, caused by germs. Then there is a year book which takes up only such subjects of bacteria as are related to the arts and industries, fermentations of milk, nitrification etc. For current periodical literature in botany, *Botanische Centralblatt* is valuable. In speaking of periodicals, I must mention *Botanische Zeitung* founded by Von Mohl, who discovered protoplasm, and long edited by Anton DeBary, one of the most distinguished and honored of German botanists, whose works on the development of fungi are classical. In the way of purely botanical English periodicals the *Annals of Botany* is a valuable paper. It is under the editorial management of Marshall Ward, a very bright and clear English writer, and our own countryman Dr. W. G. Farlow. Many of the students are of course familiar with Bo-



tanical Gazette, published at Bloomington, Indiana, one of the most valuable periodicals of its kind. An early alumnus of the college Dr. J. C. Arthur is one of the editors. Another valuable periodical in the library is *Annales des Sciences Naturelles*, a French publication. The college set begins with the second series 1834. It contains monographs by such distinguished workers as Tulasne, Bornet, and DeBary. There are few libraries in the United States fortunate enough to have this work. We must also mention the three quarto volumes of the Tulasne brothers, *Selecto Fungorum Carpologia*, containing more than a hundred fine steel engravings showing the development of fungi. Another work having beautiful steel engravings is Dr. Engelmann *Cactaceae* of the Mexican Boundary Survey contained in the Engelmann reprint or the collected writings of Dr. Engelmann, published by his friend Mr. Henry Shaw who so liberally endowed the Missouri Botanical Garden. Eaton's *Ferns of North America*, containing descriptions and colored plates of our ferns is a splendid addition to any library. One other work must be mentioned, Sargent's *Sylva of North America*, four volumes are out. The work aims to figure all of the trees of North America. The drawings as well as the execution of the plates is fine, and students should ask the librarian's permission to examine these works of art.

In this brief and yet lengthy account for the scientific department of the AURORA, I have not mentioned such valuable works as Gray and Watson *Contributions to North American Botany*, De Candolle *Prodromus*, Robert Brown's *Miscellaneous Works*, but the works mentioned are sufficient to show the value of the botanical library.

L. H. PAMMEL.

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#### CROSSING CUCURBITS.

The botanists of the Station have during the summer been experimenting with various cucurbits to see whether pumpkins and melons or cucumbers and melons would cross.

In no case did the fruit mature, when pollen was applied from other species it usually fell off a few days or week after hand pollination. They have however obtained crosses between the various forms of pumpkins like Perfect Gem Squash (*Cucurbita pepo*) and sweet sugar pumpkin (*Cucurbita pepo*) The Italian striped squash which belongs to the same species also crossed with pumpkin.

\* \*

#### Exchange Department.

The *Delphic* of Drake University comes to our table in a new dress. It is now published bi-weekly instead of monthly as heretofore. Good for the Drakes.

Guess the copy for the exchange department of the *Midland* must have been mislaid by the printer as we failed to find the department in the September issue.

The *Iowa Wesleyan* has changed its form and is now a weekly, four column folio. The *Wesleyan* is the second college paper in Iowa to change from a monthly to a weekly within the last year. Verily a step in the right direction.

The *Speculum* from our sister college in Michigan is the first exchange received this term. It is fairly teeming with good things and right royally do we welcome you for editing an "ex" department without the "ex" is not our ideal by any means.

George William Curtis, editor and writer, and John Greenleaf Whittier, poet, have within a few weeks passed from the scenes of their earthly glories. Readers of Harper's will miss the editor's easy chair while the whole nation will mourn for the quaint old Quaker poet.

There are many more college papers that would do well to consider plans for a change and especially do we believe this of our own paper THE AURORA. The editors are blamed because the paper does not quite come up to the ideal of each individual student and appears a day or two late when they are not to blame. They are forced to work under the disadvantage of a debt accumulated in the past and thus cannot make as binding a contract with the printer as though they were not owing him for three or four issues already out. If those who do so much "kicking" would take hold and work in their societies to get this old debt paid and work with the editors to fill up its columns instead of finding fault with every item published

there would be an awakening in college journalism at the I. A. C. that would surprise the most incredulous.

Please excuse us, Mr. Editor-in-Chief, for invading your territory but we are so fully convinced that it would be to the best interest of our paper, of our college and of all interested in our college that we could not refrain from a few remarks on the subject.

Many colleges are organizing political clubs. Why can't the I. A. C. do likewise? We have the material for a good large republican club at least and we owe it as a duty to ourselves to take that interest in a political campaign that will cause us to study the principles of politics sufficiently to cast an intelligent ballot and to tell why we are republicans, democrats, greenbackers or prohibitionists.

We are pleased to acknowledge the receipt of *Free Russia*, a monthly published simultaneously in New York, London and Zurich. As its name implies, it is a staunch advocate of Political freedom in Russia. As ye demagogues preach and rant about the evils of American politics cast your eyes toward the plains of Siberia and feast them on the thousands of exiles who have dared to assert that all men are endowed with the same political rights; on the thousands of women and children whose lives are blasted by the nefarious practice of exiling their so called political criminals and then thank God that you may live in free America.

May the time be short until not only the people of Russia but of all Europe shall enjoy that political freedom and self-government that has made our own beloved land "an asylum for the oppressed of all nations."

"The day in Koenigsberg on which the great Kant died was clear and bright, and a soldier standing on the Schmiedebrucke, seeing a light cloudlet in the zenith, called the attention of the bystanders to it, saying, 'see, it is the soul of Kant flying to heaven.' If there is a heaven for this poor world of ours, somebody must have seen a like cloudlet in the New England sky on the day that Whittier left us, for the vault invited with its serenest blue, and the soul that went was one of the choicest that have parted company with earth for these many years. In laying its modest flower on the dead poet's grave Free Russia recalls that of all the noble men and women who have publicly espoused the cause of Russian freedom, there were none heartier in their allegiance to it than John G. Whittier.

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## THE AURORA.

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## **Literary Department.**

### **EDUCATION AND THE INDUSTRIES.**

In casting over our social and industrial institutions we see many problems and the need of many reforms. The whole populace is seeking solution of these problems, some aiming at one reform and some at another. Most of these reforms are sought through legislation and much attention is given to the industrial problems. When we consider the close intermingling of the social and industrial affairs and the great dependence of advancement in the one on that of the other, this is seen to be proper.

One of the perplexing problems of every civilization is the management of industry so as to give the greatest production of wealth. Among the drawbacks to reaching the greatest ideal amount of production are: imperfect competition, ill health, inability to use machinery, poor management and misunderstandings between employers and employees. Many are the panaceas offered for these evils and many the plans for bettering conditions. Better and more universal education gives promise of solving many of these problems.

The greatest economic advancement calls for the most perfect competition among all economic agents. To have this more perfect competition requires employers, employees and exchange agents able to think, figure calculate, and foresee the result of existing conditions and of a change, having also that breadth of view and moral character which will enable them to go forward with the right and the best in all things. There must exist the ability to look at circumstances and judge of actions and things without bias or prejudice. If we can reach that mental breadth and power of unprejudiced judgment to give a free, honest and earnest competition we will be well on the way in settling the many industrial difficulties of our day.

That a more extended and thorough education for the masses will help much to develop this condition is certain, else what is the use of college education and why are the better educated leaders in social, economical and political affairs?

The element of health is a great factor in the production of wealth. The laborer either mental or manual, must be in good health to pursue his work to good ends. Ill health takes away the interest in work, and from this very lack of interest and want of

mental activity the bodily strength and working ability before possessed, is seldom or never regained.

That a more thorough understanding of the body, its functions and surrounding nature and the developed judgement and strengthened will power that education gives must insure better health conditions.

The ability to use machinery to advantage and to care for it properly is one of the most important requirements of a workman in this age when mechanical devices are so much used in the production of commodities.

With our present school facilities American industrial life is characterized by the effectiveness of its workers and the ability which workmen show in handling the complicated machinery of our factories and shops. This shows an active observation and quick perception which should be promoted in the coming generations by better schools in which to develop these faculties.

As long as our present industrial system exists there must be employers, who direct labor in the production of wealth. These men hold a very responsible position, and to be successful must be able to foresee the demands of the markets at least a year ahead and to so manage as to put into salable form the labor purchased of the employee.

This again calls for the good practical education of a great number of men, that labor may be so directed as to avoid the many business disasters common in productive industry.

Last and far from least is the consideration of differences which arise between employers and employees and the great loss of time and money from struggles between these two parties. The resulting evils are loss of time, property and in many cases loss of life. The immediate cause of these strikes and riots is some difference between employer and employee generally arising from a misunderstanding of each other's conditions and motives. This misunderstanding, one person of another or one occupation of another, and the narrowness of vision and interest among men greatly hinders material progress.

It can be avoided only by a thorough understanding of the conditions and relations of things and of persons. This understanding, broader views and the elimination of prejudices incident to narrowness can be gained only by a study and understanding of the sciences and arts, and the relation of man to man, trade to trade, occupation to occupation.

While it is true that many attain this breadth of view and soundness of judgement with comparatively little of what is termed schooling yet they pass far in the school of life before it is gained and far greater numbers never attain it.

That thorough training and development in common schools will aid in reaching this much desired condition is not to be denied and college education added is much nearer a panacea.

Can all young people attend college? At least many more can attend than do and if all cannot those who can will be numerous enough to fill the places most needing that training and those unable to attend, may become well enough developed to come into touch with the better trained to understand and work harmoniously with them.

We do not want the schooling and education that separates society into classes of well informed leaders, employers and capitalist, and more ignorant laboring classes but that which will promote mutual understanding and an industrial brotherhood working for the material advancement of society.

Many of the needed reforms call for intelligent legislation. In our republic each person has a vote and the populace wields the power of state. If this power is to be rightly used, each must understand the question at hand and be able to act wisely. Can this knowledge come to all except by the aid of better schools?

If we can establish and maintain for a few generations a system of schools which will extend to every youth a helping and enlightening hand give broadened views, sound judgement and strong will power, the productive efficiency of all labor will be greatly increased and with this material advancement, the way is opened for greater social and moral progress.

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The sophomore reception of Oct. 14th was a complete success according to report, and highly enjoyed. The opera hall was prettily decorated with red and white, and the chairs being removed, the floor was used for dancing while the stage was arranged for a card parlor. The supper was served in the store room on the first floor. The company of about eighty went to the city on the 7:30 car, and danced and otherwise amused themselves till midnight, when supper was announced. All returned safely between 2 and 3 a. m., and to judge from the noise they had a splendid time.

## Local Department.

### Ames & College Railway—Time Table.

LEAVE AMES.	LEAVE COLLEGE.
..... 6:45 a. m.	..... 7:10 a. m.
..... 7:30 a. m.	..... 7:50 a. m.
..... 8:30 a. m.	..... 8:50 a. m.
..... 9:40 a. m.	..... 10:40 a. m.
..... 11:40 a. m.	..... 12:05 p. m.
..... 12:50 p. m.	..... 1:10 p. m.
..... 2:45 p. m.	..... 3:05 p. m.
..... 4:30 p. m.	..... 5 00 p. m.
..... 5:40 p. m.	..... 6:00 p. m.
..... 7:10 p. m.	..... 7:30 p. m.
Friday ..... 7:10 p. m.	Friday ..... 7:30 p. m.
..... 9:10 p. m.	..... 9:40 p. m.
Saturday ..... 7:10 p. m.	Saturday ..... 7:30 p. m.
..... 9:50 p. m.	..... 10:20 p. m.
Sunday ..... 10:20 a. m.	Sunday ..... 10:40 a. m.
..... 12:20 p. m.	..... 12:40 p. m.

Dr. Beardshear led chapel service Sept. 18.

Mr. Shepard of '91 stopped a few hours Sept. 12th.

Miss Thomas spent Sept. 24th in the Capital City.

Mr. Wiley of Davenport called on his son recently.

Miss and Mr. Rundall have had a little sister with them.

Mr. and Miss Hursey received a pleasant visit from a sister.

E. A. Kreger of '90 was a welcome college visitor Oct. 13th.

Miss Mary Zimbleman, class '89, made a short call at I. A. C.

Mrs. Trustee Woods visited her son during board meeting.

Miss Hazel Beardshear spent a day in Des Moines recently.

Dr. M. W. Thornburg of '89 spent the morning of Oct. 1st at I. A. C.

Taylor of Ames photographed the battalions Wednesday, Oct. 5th.

Another bugler, Lee Eldridge, has been added to the general's staff.

Mrs. Fairchild gave a company in honor of Mrs. Shaw Sept. 17th.

Marian McCarthy played in the Nevada band during the county fair.

Rev. and Mrs. Stickles of Toledo, Iowa, were college callers Sept. 21.

Quite a number of students attended the dance at Ames Sept. 17th.

Mr. Chas. Deering spent a little time in Chicago during the past month.

Miss Sherman, class '79, now of Charles City, visited I. A. C. Sept. 29th.

Mr. Hicks burned his hand quite badly with a flash light the other evening.

Miss Bird Thomas of Sac City was the guest of Blanche Bradley not long ago.

Hiram Wiley and Fred Anderson wheeled it to Boone one Saturday morning.

Sept. 16th Mrs. Patrick returned from her summer outing in Massachusetts.

Misses McCarthy and McNaughton and Prof. Backus were in Grinnell Sept. 12th.

Watson Mason played a cornet in the Toledo band during Tama county fair week.

Mrs. Saylor, with Helen and Donald, is visiting relatives and friends at the college.

H. Barnhart of Logan, Iowa, visited his aunt, Mrs. J. R. Lincoln, the first of September.

George Christy, who graduated at the head of class '91, was a welcome visitor Sept. 24th.

Dr. Morse of Des Moines lectures each week to the classes in the veterinary department.

Edith and Stewart Boyd spent field day and the following Sunday with their sister Emma.

Mr. and Miss Rogers have been visited by a brother, a student of the academy of Iowa City.

Senior theses week began Wednesday morning Oct. 5th and closed Tuesday evening Oct. 11th.

Miss Georgia Bell of Des Moines spent several days of the past month with the McCarthys.

The literary societies adjourned Saturday evening, Sept. 24th, for A. B. Cummins' political speech.

Anyone wishing to learn the condition of the roads from Ames to Nevada inquire of Frank Schleiter.

Miss Georgia White, of the Duplex Typewriting Co., Des Moines, called upon Mr. Corry Sept. 29th.

While returning to Cornell college Miss Irene Over spent a day or two with her friend Flora G. Wilson.

Miss Johnson received a pleasant visit from her mother and returned with her to spend a few days at home.

Marie Wormley and Harry Lewis spent several days at their homes in Newton during the last fortnight.

Dr. McBirney of Charles City spent Sept. 9th at the college, lecturing to the veterinary boys in the evening.

Prof. Backus went to his home in Cedar Rapids Oct. 13th. His vacation seems to begin earlier than ours.

A few weeks ago Miss Britta Lonsdale enjoyed a visit from a friend, Mr. L. E. Williams of Marshfield, Wis.

A number of Boone young people, chaperoned by Miss Rice, principal of the high school, spent field day at the college.

Miss Chambers and Mr. Backus took part in the dedicatory exercises of the Lutheran church, at Nevada, on Sept. 25th.

Fifty-seven cadets competed for the office of color-sergeant. The position was gained by Mr. Hugh Chambers of Des Moines.

A few members of the faculty attended the political speech given by Senator Burrows of Michigan, at Nevada, Sept. 10th.

Miss Olive Van Vleet has been obliged to leave school on account of ill health. We hope to see her with us again next year.

During grape season there is no sight more "calculated" to make one smile out loud than the sight of Jerry chasing the boys up and down the rows of grape trellis.

The college choir gave a concert for the benefit of the Epworth League at Nevada, Sept. 30th. The "singists" made the journey by carriage and enjoyed the whole affair very much.

Prof. and Mrs. Bennett, Prof. and Mrs. Stanton and Prof. and Mrs. Meeker, have given small tea parties within the past month. Prof. and Mrs. Osborn have given several faculty receptions.

While the house was being replastered Prof. Kent's family have been obliged to live in the cellar, which was very inconvenient indeed. Miss Grace bruised herself quite badly by falling down the stairs.

Our new olive green motor labeled "Rapid Transit," has pulled us to and from Ames since Oct. 6th. Misses Culver and Silliman had the honor of being its first passengers, as they rode in the engine on its first trip to the college.

The new company had a competitive drill Saturday afternoon, Oct. 15th, the object being to select the twenty best men for filling vacancies in Iowa companies at Chicago. One of the judges was Christian Oggel of class '91, who was spending a few days at I. A. C.

The flaming posters announcing that Barnum & Bailey's circus would be at Boone Sept. 9th, were too much for even the faculty, so how could several dozen students be blamed for spending the afternoon or evening gazing, with open mouths of course, at the wonders of the great show.

Two Boone boys came to field day sports on their wheels.

Mr. and Miss Nichols were visited by a sister last week.

Mr. Dewell of '91 and sister were I. A. C. visitors recently.

The sophomore class held a banquet in Ames Oct. 14th.

B. F. Aten of Des Moines visited college friends field day.

Miss Clarice McCarthy went to Des Moines Oct. 6th on thesis work.

Mr. Dalzell of the preparatory class was recently visited by his father.

We have received some beautiful cake from the Tufts-Norton wedding.

Mr. McNaughton, of Charles City, spent Oct. 5th with his daughter Grace.

Dr. Beardshear was recently visited by his friend Dr. Chapman of California.

Misses Wyatt and Palmer of State Center have been with college friends of late.

Mrs. Beardshear's mother, Mrs. Mundhenk, of Toledo, is a guest at the President's.

Mrs. Welch-Shaw and five children were guests at Prof. Stanton's for some time.

Frank Tufts returns to college with a beaming countenance after his sister's wedding.

Prof. and Mrs. Osborn and Prof. and Mrs. Bennett have given senior receptions recently.

B. M. Long, a member of Western College faculty, stopped to see Dr. Beardshear October 4th.

Miss Agnes Dunne, of Chicago and Miss Mame Hopkins of Boone were college callers Oct. 12.

Our motor engineer has been having a few weeks vacation and the regular conductor has run the engine.

The office building is assuming proportions and gives good promise of being one of our prettiest buildings.

Since the last issue there have been two battalion drills for the honor of carrying the colors. In the first the decision was made in favor of the 1st Battalion under Maj. Knapp, but the last time the 2nd Battalion under Maj. Spinney received the honor.

Misses Chambers, Silliman, Drew, Buck, Blaine and Wyatt have each spent a few days at their several homes during the past month.

Miss Kate Porter enjoyed a visit from Miss Gertrude Kennedy, of Logan, Iowa. Miss Kennedy is a Cornell student and was returning to her college work.

The picnic season is not yet over. Don't for a moment suppose that that blissful time has arrived. Oct. 5th was the last date on which the campus was visited by a picnic party.

George Jones visited his home in Keokuk recently to attend his brother's wedding. His brother Clyde of '91 returned with him to make a few days visit with his many I. A. C. friends.

Program for Columbus Day—10 a. m., address in college chapel by Dr. Chapman, of Oakland, Cal. 2:30 p. m.—Military display and sham battle. The evening's entertainment will be held in Ames.

Mrs. Chipman, sister of Mrs. Knapp and Mrs. Stanton, has been obliged to spend several weeks in the Sanitarium, nursing her little son James, who is now recovering from a light attack of scarletina.

J. C. Norton strained himself at a fire at his home and is sick again with his old complaint. His many college friends extend their heartfelt sympathy and feel very much disappointed that he will not be able to visit them.

Mrs. Marsh and Miss Turner, ladies of high rank in the I. C. fraternity, spent a day or so at the college last week. Where were the I. C. girls with these ladies and some who are not supposed to be members of the fraternity between the hours of two and four on Friday Oct. 7?

Late in the afternoon of October 17th there was quite a disastrous fire in the room of E. C. Boutelle and C. L. Miles. Before it could be extinguished the books, bedding and room furnishings had either been destroyed or badly injured. In the excitement the hose was turned into the McCarthy boys' room harming it nearly as much as the fire did their neighbors. The hose being too short to reach the burning room, the water had to be carried in pails. No one seems to know how the fire started and since the cause can not be removed the hose at least might be lengthened.

Dust! dust.

Now hot and now cold.

"Oh, we had our dancein's on."

Mr. C. H. Sloan of class '84 was at the college Oct. 8.

Misses Doran, Beech and Persons have left their college work to teach.

During the rebuilding of the office Prof. Backus is rooming at Prof. Pammel's.

In September the college was visited by Mr. Fitzhugh, a nephew of Gen. Robert E. Lee.

Rev. J. F. Cressler of the Lutheran church Lisbon, Iowa, preached in the college chapel Oct. 9.

A company of roaming Italian musicians gave us some very good music Wednesday afternoon, the 12th, after drill.

The sick list for the month—Miss Dean, Messrs. Schleiter, J. T. Young, Kattenbracker, Hopkins, Banks, Roberts and Van Epps.

Some twenty senior gentlemen with their ladies picniced near Boone a few weeks back. This bare fact is all the writer knows on the subject, so do not ask for particulars.

Tuesday evening, Oct. 11, Miss Chambers and the choir gave a very entertaining program in Ames opera house. The proceeds of the concert go to the ladies aid society of the Congregational church.

At the last meeting the board set aside a large plot of ground for athletics, and most of the tennis courts will be on this ground. As this department of college work has always been cramped for room, the gift will be highly appreciated.

Gen. Lincoln gave one of his enjoyable receptions Oct. 12. The senior boys in the military department with ladies were the guests invited. Some of the boys wore full dress uniforms which gave variety to the scene. As they came away about ten o'clock every one could sincerely say "I have passed a very pleasant evening."

Phoenix, Arizona, Independent—Dr. Norton the leader of the Presbyterian choir started on a flying trip east Sept. 30th. The doctor will be gone about three weeks and will visit his old home in Muscatine county Iowa and before returning will also visit his alma mater, the Iowa Agricultural College. On his return he will be a benedict. We wish him joy.

September 7th was quite an eventful day. Two large picnic parties, one from Kelley and one from Boone, spent the day on the campus; the new uniforms made their first appearance upon drill so the lines were no longer dotted here and there with browns and greys; two companies of faculty picnicians spent a part of the day in the woods; and dress parade was improved and enlivened by the music furnished by the "Gold Band" of the minstrel company that performed in Ames that evening.

If anyone is sick and tired of hearing and reading about the sham battle he had better pass over this paragraph. Sept. 30th a sham battle between the first and second battalions was fought two miles south of the college campus. The second battalion commanded by Major Spinney was the attacking party and was supported by the third battalion commanded by Major Wilson. The battle was well and closely fought, both Major Spinney and Major Knapp claim the victory though the final decision was in favor of the second battalion. Supper was eaten on the site of the bloody conflict and the return was made most anyway, (some by way of melon patches) and but few of the companies returned in regular military order. It has been said that it was the best as well as the jolliest "bam shattle" the cadets have ever fought.

\* \*

#### JUNIOR BANQUET

The annual banquet of class '93 was held at the Wells house, Boone, Oct. 7th. Four of the young people drove up and the remaining, thirty gentlemen with their ladies went up on the accommodation which was nearly an hour late, of course. Full sweep at the hotel parlors was given the banqueters and they remained in the hotel till about eleven. At nine an elegant supper was served. H. H. Nichols right royally filled the position as toast master introducing each toast with a few bright appropriate remarks. The toast, "Junior English" given by Miss Doolittle was filled with puns upon the names of Juniors and was thoroughly enjoyed. The beautiful, dignified toast to the "class of '93 was just what one would expect from Miss Chestek. Mr. Green's speech on "political economy" was very interesting



and well seasoned with familiar quotations from Prof. Stanton, gotten off in the Prof's. own way. Mr. Harriman spoke very pleasantly and enjoyably on the "Agricultural Course," and Mr. Harvey gave a very finished, jolly and altogether fine toast to the "Class of '93 at the World's Fair." Miss Gifford toasted "The Boys of '93" right handsomely and at the close of her speech all the junior girls raised their glasses and sang a health to the junior boys. The boys accepted this pleasant surprise with a ringing round of applause. Mr. Rundall gave a splendid toast to "The Girls of '93," and Mr. Manville described "Junior Cookin's" in glowing terms. All the toasts were excellent and very much enjoyed. At eleven the party betook themselves to the hall to dance and otherwise amuse themselves till train time. No misfortune occurred except the loss of two valises which was probably considered misfortunate enough by the owners of the satchels. The revelers arrived at the college about half after two Saturday morning having passed a very delightful evening.

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#### FIELD DAY.

Oct. 1st was college field day. The tennis was played in the morning on the campus but the afternoon's entertainment was held at the race track between college and Ames.

The gentlemen's tennis doubles was won by Emry and Deering against Herring and Lincoln; and the singles by Emry against Deering. The double prizes were two little silver clocks and the single was a silver cup. Two silver napkin rings, ladies prizes for doubles were taken by Misses Clark and Chestek against Misses Ryan and Owens. The ladies prize for singles, a silver spoon, still lies in the case as the game is not yet finished.

The sports at the track began about two o'clock. The first event was the base ball throw, contestants, Brownlie and Benjamin. The silver stamp case was won by the latter who threw the ball 302 feet.

Both the putting of the 16 lb. shot and the throwing of the 16 lb hammer were taken by Dodds, the distance of the former being 34 feet 2 inches, and the latter 60.8 feet. Stev-

ens came second in the throwing of the hammer, distance being 60.3 feet. Mr. Dodds prizes were a silver match safe and an orange set.

The silver cup for the 50 yard dash was won by Trotter in  $5\frac{1}{2}$  seconds, Faville, second, other contestants being Henry and Brown.

Foster and Molison vaulted. Mr. Molison took the prize a silver spoon by clearing the pole nicely at 8.55 feet.

Roberts and Faville ran the 100 yard dash Faville winning the cup in  $11\frac{1}{4}$  seconds. In this race Roberts lost his shoe and sprained his ankle forcing him to withdraw from all other races.

The contest for the napkin ring prize for the running high jump was hot and close but finally won by Clinton at 4 feet and 9 inches. The other contestants being Wilson, Bush, Foster, Schleiter and Merrill.

As Trotter was the only one who entered the running broad jump he naturally won the nut-cracker. The distance being 16 feet 8 inches.

The half mile run between Meyers and Van Epps was taken by the latter in 2 minutes and  $23\frac{1}{2}$  seconds. A silver napkin ring the reward.

The paper knife prize for the 220 yard dash, was won by Trotter in  $21\frac{1}{4}$  seconds against Brown.

Wilton McCarthy took both of the fast bicycle races. The first, distance one half mile in 1 minute  $24\frac{1}{2}$  seconds against Henry and Cammack; the second 2 miles with the same competitors in 6 min. 23 sec. Mr. McCarthy's prizes were a gold watch charm and a silver pocket cup.

The 220 yard hurdle race was won by Foster in 31 seconds, Merrill being a close second. Mr. Foster's prize was an article which will be very valuable to the gentlemen, a match safe.

Brownlie, Hutchison, Schleiter, Salisbury and Foster were competitors in the mile walk. Prize, an orange set won in 8 min. 43 seconds by Hutchison, Schleiter second.

The 440 yard dash was run by Meyers against time. Roberts having been obliged to withdraw. He covered the distance in 1 minute and  $\frac{1}{2}$  of a second, winning the nutcracker.

The mile run was taken by Van Epps against Bush in 7 minutes and 19 seconds. The prize won, a silver cup.

Number 22 was a slow bicycle race, contestants Bush, Henry and Brown. Won by Brown in 2 minutes  $5\frac{1}{2}$  seconds.

The ladies needle and thread race aroused the most interest it being somewhat of a novelty. The plan is as follows: The contestants run 50 yards, hand a needle to a gentleman, wait while he threads the needle then return to the starting point. The contestants were Miss Lincoln and Charles Deering against Miss Bigelow and Marion McCarthy. As Mr. Deering succeeded in threading his needle first Miss Lincoln gained the day. Whole time 1 minute  $33\frac{1}{2}$  sec.

The last number on the program was a consolation race as it was called, consisting of those who were defeated in other contests. The race was run by Messrs. Merrill and Henry. The distance was 100 yards and Henry won in  $10\frac{3}{4}$  seconds, better time than that made in the regular dash.

Although the day was warm and dusty a large crowd attended the sports and all enjoyed the afternoon.

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Mrs. Owens, assisted by the senior ladies, gave a series of socials during September, to the faculty and senior class, the object being to bring the faculty and students into informal social relations and make the domestic economy department something more than a name to the gentlemen of the class.

The W. E. S. and B. D. S. joint debate of Sept. 10th was interesting and well attended. The question was: Resolved, That labor organizations have not benefitted the laboring classes enough to warrant their continuance. Affirmative W. E. S. and negative B. D. S. The judges were Profs. Barrows and Stanton and Mrs. Wilson, and the Bachelors carried the day.

#### *HELD BY THE ENEMY.*

For the benefit of the Athletic Association. "Held by the Enemy," a military play was given in Ames opera house Oct. 15, with the following cast of characters.

Col. Chas. Prescott, 49th Mass. Volunteers,	E. E. Faville
Maj. Gen. Stamberg, Commanding U. S. Forces,	H. H. Nichols
Surgeon Fielding, brigade surgeon,	C. B. Adams
Thomas Henry Bean, special for Leslie's McDill Moorhead	
Lieut. Gordon Hayne, of the Confederate Army,	Marion McCarthy
Capt. J. H. Woodward,	W. D. Mason
Asst. Surgeon Hathaway,	
Orderly Hinton,	F. G. Moorhead
Orderly Dowell,	F. E. Anderson
Rufus, a trusted servant of the McCreery mansion,	C. L. Miles
Euphemia McCreery, a maiden aunt,	
Rachel McCreery, her niece,	Miss Clarice McCarthy
Susan McCreery, also her niece,	Miss Grace McNaughton
	Miss Winifred Drew

A well filled—all but crowded house—was present. The college literary societies adjourned for that evening so the audience was composed mostly of college people. The orchestra made its first appearance in public, and did nobly and many compliments have been given them. The key to the success of the play, it certainly was a success, was the fact that all the characters were well chosen and all had their parts well committed. The costumes were very appropriate and each player looked the part that he or she carried. We will not go into detail of criticism, all had their faults as well as good points, but as an amateur performance it was very good indeed. Before the last act, Mr. Faville in a very nice manner thanked Mr. Coggeshall for the pains he had taken to train them, for which he would take no compensation, and also Mr. Arnold for the free use of the hall for rehearsals. The gentlemen were certainly deserving of this public acknowledgement of their kindness. Something over \$90 was cleared and as the players are very anxious to make one hundred and fifty dollars for the Athletic Association. They will repeat the entertainment at State Centre, Friday, Oct. 21st, and at Nevada, Saturday, Oct. 22d. Good luck to them.

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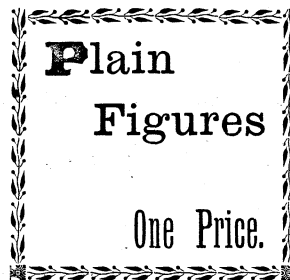
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Des Moines, Iowa.



## STATE COLLEGE

—OF—

## Agriculture & Mechanic Arts,

**AMES, IOWA.**

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|--|---|
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| G. E. Patrick, M. Sc., Professor of Agricultural Chemistry.                                      | Miss Marie Chambers, Director of Music and Instructor in Vocal Music.       |
| A. Marston, C. E., Professor of Civil Engineering.   | George Backus, Instructor in Instrumental Music.                            |
|  | Miss Jennie Gratz, Violinist.   |
|  | Miss Jennie Gratz, Instructor of Violin and Theory.                         |

### Courses of Study.

#### Four Courses in Agriculture.

1. A Course of 4 years.
2. A Course of 2 year.
3. A short winter course.
4. A dairy course.

#### Five Other Special Courses.

1. A course in Sciences related to the industries.
2. A course for young ladies.
3. A course in Mechanical Engineering.
4. A course in Civil Engineering.
5. A Course in Electrical Engineering.
6. A course in Veterinary Science.

Also Special Post Graduate lines of Study in the Sciences.

#### Preparatory Class.

Beginning July 19th, a preparatory class will be formed and given instruction in Algebra, English Grammar, U. S. History and Human Physiology to fit students for entrance to the Freshman class of the following year.

#### Graduates of High Schools

Who have completed Algebra and are thorough in Arithmetic, Grammar and English Composition, and have had a year or more of Latin, can enter probably the second term of the Freshman year, July 19th, and graduate with the class in 3½ years. Catalogues and full information may be secured by addressing.

**W. M. BEARDSHEAR, President,**  
Ames, Iowa.

